Emerson

PERSONAL CD, CD-R/RW PLAYER

with 45 SECOND ANTI-SKIP PROTECTION,

RECHARGEABLE BATTERIES

and WIRED REMOTE CONTROL

OWNER'S MANUAL

HD7090RD

Visit our web site at www.emersonradio.com
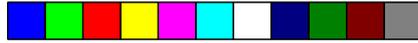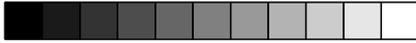
Thank you.........

For purchasing this Emerson Personal CD Player. It has a 20 track programmable memory so you can listen to the songs on your favorite CD's in any order you choose. Or you can use the Random playback feature and let the player select the playback order for you. Use the 3-way Repeat feature to repeat a single track, the entire disc, or a programmed sequence of tracks, indefinitely. We've also included a 45 Second Electronic Anti-Skip Memory which makes this player virtually skip-free under normal circumstances.

This player also includes 2 rechargeable Ni-MH batteries that can be recharged hundreds of times. That's good for you, saves money on batteries. And it's good for our enviroment.

There's a Dynamic Bass Boost Control that increases and enhances the bass response, and a set of lightweight behind the neck type stereo headphones that are so comfortable you may forget you have them on. And finally, this player not only plays all professionally recorded commercial CD's, but it plays recordable CD's (CD-R music discs) and rewriteable CD's (CD-RW music discs) as well. So if you or your friends are "burning" your own CD's on your computer CD-R drives, or on home audio type CD recorders, you can be sure that they are playable on the Emerson personal CD player.

Please read this instruction manual completely and carefully to make sure you understand the proper operation of this product, and get the maximum enjoyment out of all the features of this state-of-the-art CD player.

Once again, thanks for purchasing this Emerson product.

The serial number of your CD player can be found on the bottom cabinet. We suggest that you record the serial number of your unit in the space below for future reference.

Model Number: **HD7090RD**

Serial Number:

1
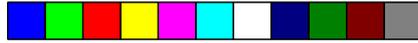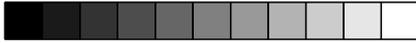
IMPORTANT NOTES

WARNING: TO PREVENT FIRE OR SHOCK HAZARD,
DO NOT EXPOSE THIS UNIT TO RAIN OR MOISTURE.

Avoid installing the unit in locations described below:

• Places exposed to direct sunlight or close to heat radiating appliances such as electric heaters.

• Dusty places.
• Places subject to constant vibration.
• Humid or moist places.

CLASS 1 LASER PRODUCT

CLASS 1 LASER PRODUCT
APPAREIL Á LASER DE CLASSE 1
PRODUCTO LASER DE CLASE 1

CAUTION
INVISIBLE LASER RADIATION
WHEN OPEN AND INTERLOCKS
DEFEATED.
AVOID EXPOSURE TO BEAM

This product contains a low power Laser Device.

CAUTION !!

THIS LASER COMPACT DISC PLAYER FUNCTIONS BY HELP OF INVISIBLE LASER LIGHT AND IS EQUIPPED WITH SAFETY SWITCHES TO AVOID EXPOSURE WHEN DOOR IS OPEN AND SAFETY INTERLOCKS ARE DEFEATED. IT IS DANGEROUS TO DEFEAT OR BYPASS SAFETY SWITCHES.

DANGEROUS VOLTAGE
Uninsulated Dangerous Voltage, that may be of sufficient magnitude to constitute a risk of electric shock to persons is present within this product's enclosure.

ATTENTION
The Owner's Manual contains important operating and maintenance instructions.
For your safety, it is necessary to refer to the manual.

This device complies with part 15 of the FCC rules. Operation is subject to the condition that this device does not cause harmful interference.
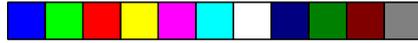
2

INSIDE VIEW

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LEFT PANEL

12 13 14 15 16

18 17

REMOTE CONTROL

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15 16 7 6

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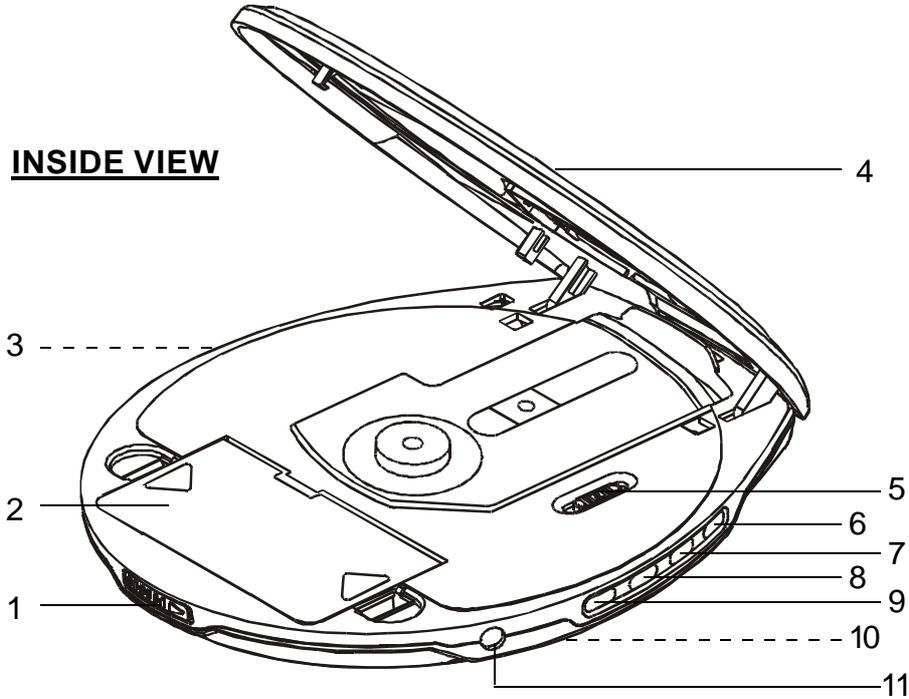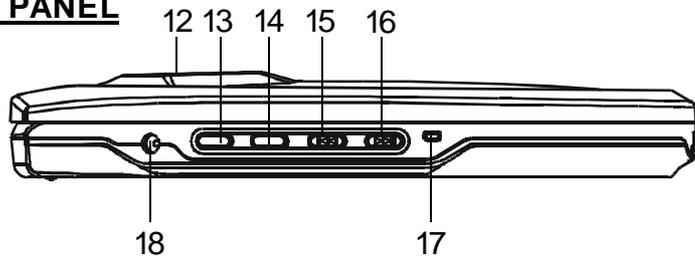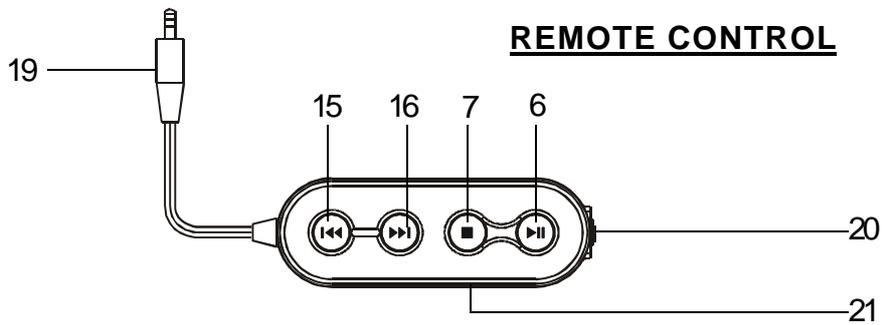
1.) OPEN Switch – Slide to the right to unlock and open the CD door.

2.) Battery Compartment (inside CD compartment.)

3.) HOLD ON/OFF Switch (at bottom cabinet) – Switch to 'ON' to deactivate control buttons on main unit.

4.) CD Door.

5.) CHARGE ON/OFF Switch – Set to on to charge the batteries.

6.) PLAY/PAUSE ▶II Button – To begin playback, and to pause during playback.

7.) STOP Button – To stop playback, and to turn the power 'Off'.

8.) VOLUME + Button – Press to raise the sound level.

9.) VOLUME – Button – Press to lower the sound level.

10.) BASS BOOST ON/OFF Switch (at bottom cabinet) – Switch to 'ON' to increase bass response.

11.) Phones ⌒ Jack – Connect stereo headphones, or remote control, included, to this jack.

12.) LCD Display – Shows track number, playing time, Anti-Skip memory status, Program, Repeat, Random, and Intro modes.

13.) MODE Button – Selects the playback mode: Repeat 1/All, Random, or Intro.

14.) PROG (Program) Button – To program tracks in the CD memory.

15.) Reverse SKIP I◀◀ Button – To skip tracks or search backward.

16.) Forward SKIP ▶▶I Button – To skip tracks or search forward.

17.) CHR (Charge) Indicator – Lights when CHARGE switch is set to 'ON' and AC/DC adapter is used as power source.

18.) DC 6V Input Jack – Connect the AC adapter, included, to this jack to use 120V 60 Hz house current, and recharge the batteries.

19.) Remote Control Plug – Connect to Phones ⌒ Jack of main unit.

20.) Remote Control Jack – Connect stereo headphones, included, to this jack.

21.) VOLUME Control – Rotary volume control on remote control.

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LCD DISPLAY INDICATORS
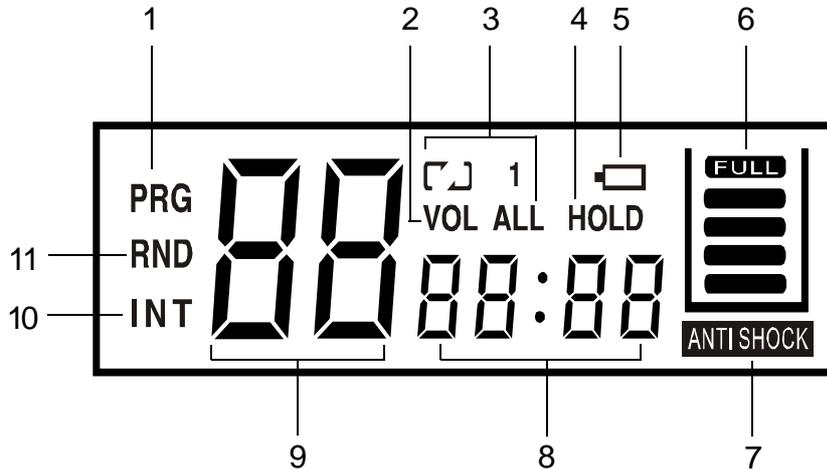
1.) PRG (Program) Indicator – Flashes when programming tracks and appears when playing programmed tracks.

2.) VOL (Volume) Indicator – Appears when pressing VOLUME + / – buttons.

3). Repeat 1/ALL Indicators – Appears when the Repeat playback mode is selected.

4.) HOLD Indicator – Appears when HOLD switch is set to 'ON' position.

5.) Battery Indicator – Flashes when batteries need to be replaced.

6.) Anti-Skip Memory Indicator – Bar display indicates the remaining Anti-Skip memory capacity.

7.) ANTI SHOCK Indicator – Flashes when storing Anti-Skip memory.

8.) Time Display – Shows elapsed time of the track being played and total playing time of the disc.

9.) Track Number/Volume Level Display – Shows the track which is being played, and the total tracks on the disc. Also shows the volume level (0 to 31) when VOLUME +/– buttons are pressed.

10.) INT (Intro) Indicator – Appears when Intro playback mode is selected.

11.) RND (Random) Indicator – Appears when Random playback mode is selected.

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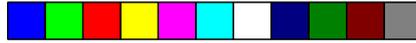
POWER SOURCE

This CD player can be operated on either 120V 60Hz AC house current with the AC adapter, included, or on 2.4V DC (2 "Ni-MH" rechargable batteries, included).

AC OPERATION

Connect the AC adapter to your 120V AC outlet. Then connect the small plug to the "DC IN 6V" jack on the side of the player as shown in the following illustration. Do not use any AC adapter other than the one supplied with this unit.

If the AC adapter will not be used for an extended period of time, remove it from the wall outlet by pulling on the adapter housing. Do not remove the adapter by pulling on the cord. Do not touch the AC adapter with wet hands.

AC 120V 60Hz
Outlet

DC 6V
Input Jack

AC / DC Adapter
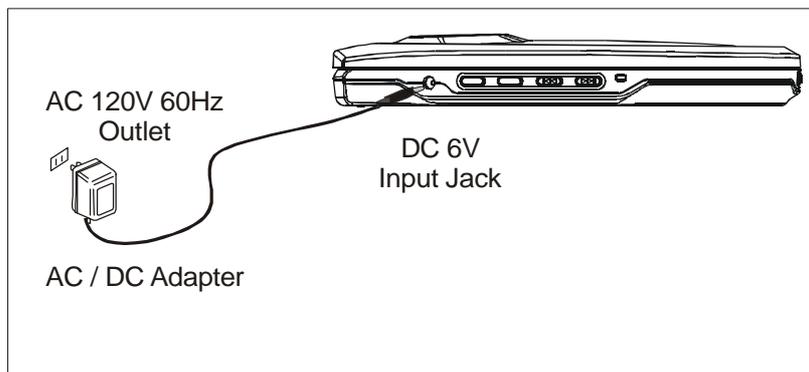
BATTERY OPERATION

1.) Open the battery compartment door (inside the CD compartment) by squeezing the two tabs in the direction of the arrows and then lifting the door open. To prevent loss, the door cannot be removed from the unit.

2.) Insert 2 "Ni-MH" rechargable batteries, included into the compartment. Follow the polarity markings inside the compartment. If the batteries are inserted incorrectly the unit will not work.

3.) Close the battery door completely.

BATTERY DOOR
OPEN/CLOSE

RECHARGEABLE
Ni-HM BATTERY X 2
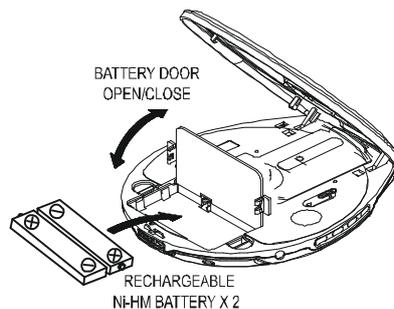
Note: In order to operate the player on batteries the AC adapter must be disconnected from the DC IN jack.

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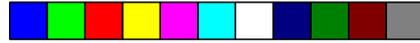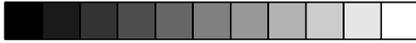
## CHARGING AND USE OF RECHARGEABLE BATTERIES

If the batteries become too weak the battery level indicator ⊡ begins to flash and operation may become erratic. When this occurs recharge the batteries immediately.

Rechargeable Battery Operation

This unit can fully recharge Ni-MH rechargeable batteries in approximately 15 hours. Ni-MH rechargeable batteries (included) should be recharged before they are used for the first time, if they are low in power or if they have not been used for a long period (over 60 days).
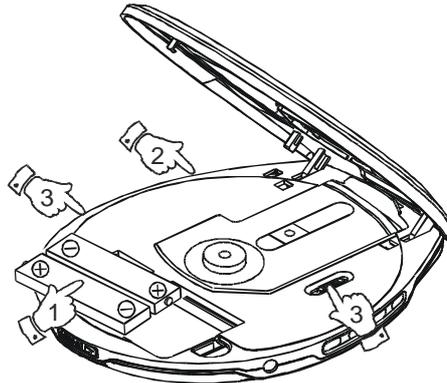
1.) Open the battery compartment cover and insert two of the supplied Ni-MH rechargeable batteries (1.2V 1100mA), observe the polarity.

2.) Connect AC adapter small plug to the DC input jack and the other end to a 120V 60Hz AC outlet. (See diagram on page 6.)

3.) Set the CHARGE Switch (inside CD compartment) to 'ON' position to start charging. The CHR (Charge) indicator lights.

4.) After 15 hours, please unplug the AC adapter and switch the CHARGE switch to the 'OFF' position.

5.) If the operating time decreases dramatically even when the Ni-MH rechargeable batteries are properly recharged, purchase a new set of Ni-MH rechargeable batteries.

6.) When charging for the first time or after a long time, playing time may be reduced. In this case, charge and discharge the batteries several times.

Notes:

• Both batteries must be Rechargeable Nickel-Metal Hydride type.

• Do not charge continously for 24 hours or more. Doing so can cause the performance of the batteries deteriorate.

• Use only the supplied adapter for charging.

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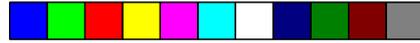
OPERATING INSTRUCTIONS

NORMAL PLAYBACK

Note:

This player can play all normal CD's plus CD-Rs (CD Recordables) and CD-RWs (CD Re-Writeables)

1.) Connect the headphones to the remote control then to the Phones jack. Or directly to the Phones jack.

Phones Jack 🎧

OR

2.) Set the VOLUME control to a low level before you begin playback and then adjust the volume to a comfortable level after playback begins.

3.) Slide the CD Door OPEN switch to the right to release the lock and open the CD Door.

4.) Place your disc on the center spindle with the printed label side facing up. Press down gently near the center hole to make sure the disc is properly seated on the spindle.

5.) Close the door completely until it locks shut.

6.) Press the PLAY/PAUSE ▶❚❚ button. "– –" flashes in the display as the player reads the disc. The total tracks and playing time will appear momentarily and then playback begins on Track 1. The Anti-Skip indicator comes on and the playing time shows in the display.

7.) Adjust the VOLUME and BASS BOOST controls as desired.

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8.) When all tracks have been played the player stops and the display again shows the total tracks and playing time on the disc. After approximately 30 seconds the power shuts off and the display goes blank.

9.) To stop playback before the disc ends press the STOP ■ button at any time. Press the STOP ■ button again to shut the power off immediately. Slide the CD Door OPEN switch to the right to open the door and remove your disc. Close the CD Door and return your disc to its protective storage case.

10.) Set the HOLD switch to 'ON' position to deactivate all control buttons on main unit. 'HOLD' indicator appears in display.

PAUSE CONTROL

Press the PLAY/PAUSE ▶II button during playback to pause momentarily. The sound stops, the track and the time display flashes but the disc continues to spin. Press the PLAY/PAUSE ▶II button again to cancel pause and resume playback. The sound returns and the display stops flashing.

SKIP/SEARCH CONTROLS

To skip forward or backward to another track during playback press the SKIP Forward ▶▶I or SKIP Reverse I◀◀ buttons repeatedly until the desired track number appears in the display. Playback will begin on the desired rack.

To search forward or backward within a track to locate a specific musical passage press and hold either the SKIP Forward ▶▶I or SKIP Reverse I◀◀ buttons. The player moves forward or backward at high speed. When you reach the desired point in the track, release the buttons and normal playback resumes.

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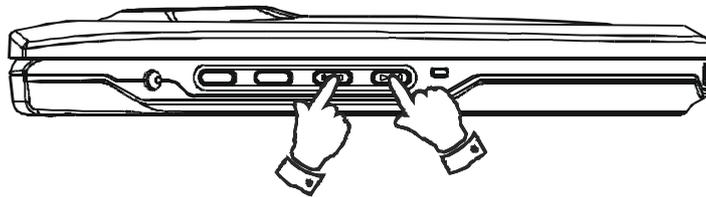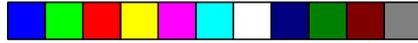
REPEAT PLAYBACK

To repeat a single track:

1.) Press PLAY/PAUSE ▶II button to begin playback.

2.) When playback begins press SKIP Forward ▶▶I or SKIP Reverse I◀◀ button to select the desired track.

3.) Press the MODE button once until the Repeat 1 "⟲ 1" indicator appears in the display. The selected track will be repeated indefinitely.
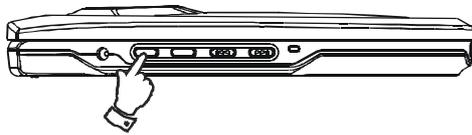
To repeat the entire disc:

1.) Press PLAY/PAUSE ▶II button to begin playback.

2.) When playback begins press the MODE button twice until the Repeat All "⟲ ALL" indicator appears in the display. The entire disc will be repeated indefinitely.
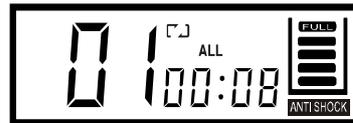
To cancel repeat playback:

• Press the STOP ■ button, or;

• Press the MODE button until no special mode indicators appear in the display.

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INTRO SCAN

This feature plays only the first 10 seconds of each track on the disc.

1.) At stop mode press the MODE button 3 times. The "INT" indicator appears in the display.

2.) Press PLAY/PAUSE ▶II button to begin playback.

3.) The player begins track 1 and plays just the first 10 seconds of each track on the disc. When the first 10 seconds of each track has been played, the player stops.

To cancel Intro Scan press the STOP ■ button or press the MODE button until none of the special playback mode indicators appear in the display.

RANDOM PLAYBACK

Use Random playback to play all the tracks on a disc in a random order selected by the CD player.

1.) At stop mode press the MODE button 4 times. The "RND" indicator appears in the display.

2.) Press PLAY/PAUSE ▶II button to begin playback.

3.) The player randomly selects the first track for playback and continues randomly selecting tracks until every track on the disc has been played once. After all tracks have been played the player stops.

• To cancel Random playback, press the STOP ■ button, or press the MODE button until no special mode indicators remain in the display.

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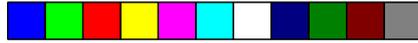
PROGRAMMED PLAYBACK

You can program the player to play only the tracks that you want to hear, in the specific order that you want to hear them. Up to a total of 20 tracks can be programmed. You may program certain tracks to play more than once if desired.

Note: The player can be programmed when it is in the Stop mode or while playing.

1.) Press the PROG (Program) button. "PRG" indicator and Track No. "00" flash. Program No "01" appears in the display.
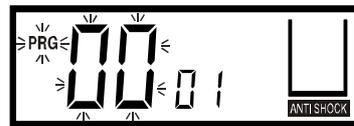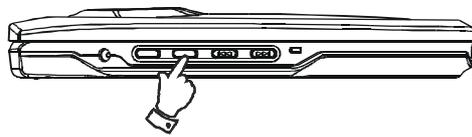
2.) Press SKIP ▶▶I or SKIP I◀◀ button until the first track to be programmed appears in the display. Example: Track # 7.

3.) Press the PROG (Program) button again to enter the selected track in the memory. The track indicator returns to a "00" and the Program No. advances to "02".

4.) Repeat Steps 2 and 3 until you have entered up to a total of 20 tracks in the memory.

5.) Press the PLAY/PAUSE ▶II button to begin programmed playback. The "PRG" indicator stops flashing and remains in the display. The player will play the tracks you selected in the programmed order. When the last track has played the player stops and the total tracks and playing time appear.

• To cancel programmed playback press the STOP ■ button twice. The program will also be canceled if the CD Door is opened or if the power is interrupted.

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ELECTRONIC ANTI-SKIP PROTECTION

This CD player is equipped with an automatic 45 second Electronic Anti-Skip Memory that will eliminate virtually all skipping under normal conditions. When you press the PLAY/PAUSE ▶❚❚ button to begin playback the player immediately begins to store 45 seconds of music in a solid state memory that is impervious to shock. The player is always reading the disc 45 seconds ahead of the music you are hearing and storing that information in the memory. If the player is subjected to shock or bumps of less than 45 seconds duration you will not notice them at all. If the bumps last longer than 45 seconds the anti-skip memory may be depleted and the player may skip or stop.

When playback begins the Anti-Skip indicator ⊔ comes on and a series of "bars" ⊟ appear in the display. When all 5 "bars" ▤ appear the Anti-Skip memory contains 45 seconds of music and is "full". If the player is bumped or shaken the "bars" may start to disappear ⊟ as the memory is depleted. If all 5 "bars" disappear ⊔ the memory is empty and the player may skip if the bumps continue. When the bumps stop the memory starts to fill up again and all 5 "bars" ▤ will reappear.

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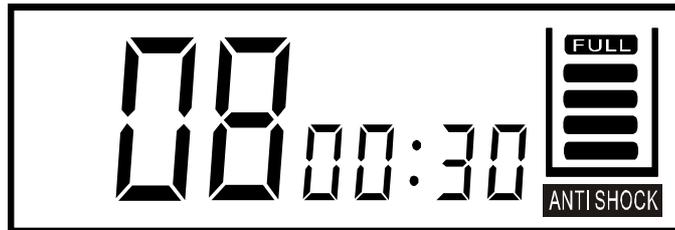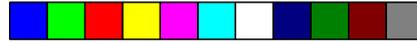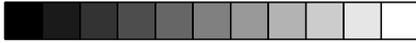
CARE AND MAINTENANCE

CLEANING THE CABINET
Wipe with a soft cloth. If the cabinet is very dirty, dampen the cloth with a weak solution of neutral detergent and water, and then wipe clean.

CLEANING THE LENS
A dirty lens will cause sound skipping and, if the lens is very dirty, the CD may not work. Open the disc cover and clean the lens as follows:

DUST OR DRY PARTICLES
Using a camera lens brush/blower, blow on the lens several times, then wipe it lightly with the brush to remove dust. Then, blow on the lens once more.
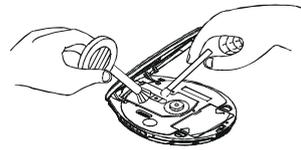
FINGERPRINTS
To remove fingerprints from the lens, use a cotton swab starting in the middle and working to the outside edge. Use only very light pressure on the lens to avoid forcing it out of alignment.
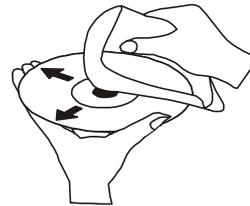
CLEANING THE DISC
When a disc becomes dirty, clean it with a cleaning cloth. Wipe the disc from the center out.

NOTE:
Do not use solvents such as benzine, thinner; commercially available cleaners or anti-static spray intended for analog discs.

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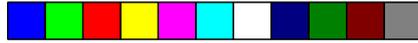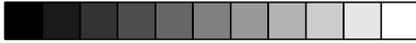
TROUBLESHOOTING GUIDE

If you experience a problem with this unit, check the chart below before calling for service.

SYMPTOM	CAUSE	SOLUTION
Unit will not turn on.	Weak or dead batteries.	Recharge batteries or replace batteries.
	AC adapter not connected.	Check AC adapter connection.
	CD compartment not closed.	Close CD compartment.
Disc will not play.	Disc inserted incorrectly.	Reinsert disc correctly.
	Dirty or defective disc.	Try another disc.
	Moisture or condensation on disc or lens.	Disc: wipe with soft cloth. Lens: see page 15 'Care and Maintenance'
No sound from headphones.	Headphone plug not inserted correctly.	Reinsert headphone plug correctly.
	VOLUME control set to minimum.	Raise volume.
	Weak batteries.	Recharge batteries.
	Defective disc.	Try another disc.
Erratic playback.	Dirty or defective disc.	Clean or replace disc.

Emerson ®

SERVICE

FOR ADDITIONAL SET-UP OR OPERATING ASSISTANCE
PLEASE CALL:
1-800-898-9020

FOR CUSTOMER SERVICE, PLEASE WRITE TO:
Emerson Radio Corp.
Consumer Affairs Dept.
1901 Diplomat Drive,
Farmers Branch, TX 75234.

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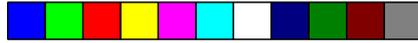
LIMITED WARRANTY

Emerson Radio Corp. warrants manufacturing defects in original material, including original parts and workmanship, under normal use and conditions, for a period of ninety (90) days from the date of original purchase in the U.S. With your dated proof of purchase, we will provide repair service at no charge for labor and parts at an authorized Depot Repair Facility, or replace the product in our discretion. For repair or replacement, pack your unit in a padded box, enclose your check or money order payable to Emerson Radio Corp. in the amount of $5.00 (not required by California residents) to cover shipping and handling costs, and enclose a copy of your proof of purchase. Send your unit to:

Emerson Radio Corp.

1901 Diplomat Drive.

Farmers Branch, TX 75234.

This warranty does not cover damage from negligence, misuse, abuse, accident, failure to follow operating instructions, commercial use, rental, repairs by an unauthorized facility, or products purchased, used, serviced or damaged outside of the United States.

THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS WHICH VARY FROM STATE TO STATE.

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EMERSON RADIO CORP.